| Index of | Claims |
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| App | lication | No. |
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09/639,154

Examiner

DANIEL G MARIAM

Applicant(s)

HE ET AL.
Art Unit

2621

| Rejected | - | (Through numeral)<br>Cancelled |
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| Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla      | Claim Date    |               |                                       | Claim Date                                        |              |                                                  |          | Claim                                             |                                                  |                                           | Date     |          |             |          |                                                  |                 |              |           |          |           |
|----------|---------------|---------------|---------------------------------------|---------------------------------------------------|--------------|--------------------------------------------------|----------|---------------------------------------------------|--------------------------------------------------|-------------------------------------------|----------|----------|-------------|----------|--------------------------------------------------|-----------------|--------------|-----------|----------|-----------|
|          |               | _             |                                       |                                                   |              |                                                  |          |                                                   |                                                  |                                           |          | =        |             |          |                                                  |                 |              |           |          | Į         |
| न्न      | na            | ĮŠĮ           | 1 1 1                                 | 111                                               |              | <u>a</u>                                         | ina      |                                                   | - 1 1                                            |                                           | ğ        | in       |             | 1        |                                                  | ļ               | - 1          |           |          |           |
| Final    | Original      | 10/12/04      |                                       |                                                   |              | Final                                            | Original |                                                   |                                                  | 11.                                       | Final    | Original |             |          |                                                  |                 |              |           | - [      |           |
| -        | Õ             | 위             |                                       | $\perp$                                           |              | _                                                | 0        |                                                   |                                                  |                                           |          | 0        |             |          |                                                  |                 |              |           | - 1      | -         |
| 1        | (1)           | =             | $\rightarrow \rightarrow \rightarrow$ | <del></del>                                       |              | <del>                                     </del> | 51       | <del>- - - - - - </del>                           |                                                  |                                           |          | 101      | 1           | 1        |                                                  |                 |              |           | $\neg$   |           |
| 2        | $\frac{1}{2}$ | =             | <del>-   -   -  </del>                | <del>-                                     </del> |              |                                                  | 52       |                                                   |                                                  |                                           |          | 102      | _           | +        |                                                  |                 |              | $\dashv$  | ┪        |           |
| 3        | 3             | =             |                                       |                                                   |              |                                                  | 53       | <del></del>                                       |                                                  | <b>.</b>                                  |          | 103      | 十           | +-       |                                                  | $\vdash$        |              | $\dashv$  | $\dashv$ | _         |
| 4        | 4             | =             |                                       |                                                   |              |                                                  | 54       | <del></del>                                       |                                                  |                                           |          | 104      | +           | +        |                                                  | _               | $\neg$       | $\dashv$  | -        | $\dashv$  |
| 5        | 5             | =             |                                       | +                                                 |              | -                                                | 55       | <del></del>                                       |                                                  |                                           |          | 105      | -+          | +        | Н                                                | -               |              | -         | $\dashv$ | -         |
|          | 6             | $\rightarrow$ | +                                     | <del></del>                                       |              | -                                                | 56       | <del></del>                                       |                                                  |                                           |          | 106      |             | ╫        | Н                                                | -               |              | 7         | $\dashv$ | $\dashv$  |
| 6        |               | =             |                                       |                                                   | felle        |                                                  |          | <del>-                                     </del> |                                                  |                                           | -        | 107      |             | +        | H                                                | -               |              | $\dashv$  |          |           |
| 7        | 7             | =             |                                       |                                                   |              | <b> </b> -                                       | 57       | <del></del>                                       | $\dashv$                                         |                                           |          |          | -           | +        | $\vdash$                                         | -               |              | $\dashv$  | $\dashv$ |           |
| 8        | 8             | =             |                                       |                                                   |              |                                                  | 58       | <del></del>                                       | -+-                                              |                                           |          | 108      |             | +        |                                                  |                 |              | $\dashv$  | $\dashv$ | $\dashv$  |
| 9        | 9             | =             |                                       |                                                   |              |                                                  | 59       |                                                   |                                                  |                                           |          | 109      | +           | -        | $\vdash$                                         | Н               |              | $\dashv$  | $\dashv$ | $\dashv$  |
| 10       | 10            | =             |                                       |                                                   |              |                                                  | 60       |                                                   |                                                  |                                           |          | 110      |             |          | Ľ                                                |                 | _            | _         | _        | 4         |
| 11       | 11            | =             |                                       |                                                   |              |                                                  | 61       |                                                   | $\Box$                                           |                                           |          | 111      | $\dashv$    |          | $\vdash$                                         | $\vdash \vdash$ |              |           | $\dashv$ |           |
| 12       | 12            | =             |                                       |                                                   | 250          | <u> </u>                                         | 62       |                                                   | $\square$                                        |                                           |          | 112      | _           |          | L.,                                              |                 |              | _         |          | _         |
| 13       | 13            | =             | $\perp$                               |                                                   |              | L                                                | 63       |                                                   |                                                  |                                           |          | 113      |             | _        | _                                                | Ш               |              | _         | _        | _         |
| 14       | 14            | =             |                                       |                                                   |              | <u></u>                                          | 64       |                                                   | $\Box$                                           | Const.                                    |          | 114      |             | 4        |                                                  | Ш               |              | _         |          |           |
| 16       | 15            | =             |                                       |                                                   | 100          |                                                  | 65       |                                                   |                                                  |                                           |          | 115      |             |          | <u> </u>                                         | Щ               |              | ļ         |          | _         |
| 17       | 16            | =             |                                       |                                                   |              |                                                  | 66       |                                                   |                                                  | ne ne                                     |          | 116      | $\perp$     |          | L                                                | Щ               |              |           | _        |           |
|          | 17            |               |                                       |                                                   |              |                                                  | 67       |                                                   |                                                  |                                           |          | 117      |             |          |                                                  | Ш               |              |           |          |           |
|          | 18            |               |                                       |                                                   |              |                                                  | 68       |                                                   |                                                  |                                           |          | 118      |             |          |                                                  |                 |              |           |          |           |
|          | 18<br>19      |               |                                       |                                                   |              |                                                  | 69       |                                                   |                                                  |                                           |          | 119      |             |          |                                                  |                 |              |           |          |           |
| 18       | (20)          | =             |                                       |                                                   |              |                                                  | 70       |                                                   |                                                  | mensi<br>mensi<br>mensi<br>mensi<br>mensi |          | 120      |             |          |                                                  |                 |              |           |          |           |
| 19       | 21            | =             |                                       | -                                                 |              |                                                  | 71       |                                                   |                                                  |                                           |          | 121      |             | 丁        |                                                  |                 |              |           |          |           |
| 20       | 22            | =             |                                       |                                                   |              |                                                  | 72       |                                                   |                                                  |                                           |          | 122      |             |          |                                                  |                 |              |           |          |           |
| 21       | 23            | =             |                                       | <del>- - - -</del>                                | 100          |                                                  | 73       |                                                   |                                                  |                                           |          | 123      | $\dashv$    | 1        |                                                  |                 |              | $\neg$    |          |           |
| 22       | 24            | ▗             |                                       | <del>                                     </del>  | 30.0         | -                                                | 74       |                                                   | <del></del>                                      |                                           |          | 124      |             | $\top$   |                                                  |                 | _            |           |          |           |
| 23       | 25            | ┋             |                                       | 1 1 1                                             |              |                                                  | 75       |                                                   |                                                  |                                           |          | 125      |             |          |                                                  |                 |              | $\neg$    |          |           |
| 24       | 26            | =             | +-+-                                  | <del></del>                                       |              | 3.                                               | 76       |                                                   |                                                  |                                           |          | 126      | $\neg$      |          | T                                                | -               |              | $\neg$    |          |           |
| 25       | 27            | =             | <del>-   -   -  </del>                | -+ + +                                            |              | -                                                | 77       |                                                   |                                                  |                                           | -        | 127      | _           |          | <del>                                     </del> | $\vdash$        |              |           | _        | $\neg$    |
| 26       | 28            | =             | ++-+                                  | <del>-     -  </del>                              |              |                                                  | 78       |                                                   | <del></del>                                      |                                           | _        | 128      | $\vdash$    | +        | <del>                                     </del> | $\vdash$        |              |           |          |           |
| 27       | 29            | =             | <del>-      </del>                    |                                                   |              |                                                  | 79       |                                                   |                                                  |                                           | <u> </u> | 129      | $\dashv$    | +        | $\vdash$                                         | ┢               |              | _         | $\dashv$ | $\dashv$  |
| 28       | 30            | =             | <del>-   -  </del>                    |                                                   |              |                                                  | 80       | <del></del>                                       | <del>                                     </del> |                                           |          | 130      | -+-         | +-       |                                                  | -               |              | $\dashv$  |          | $\dashv$  |
|          |               |               | +++                                   |                                                   |              |                                                  |          |                                                   | $\vdash$                                         |                                           |          | 131      | -           | +        | $\vdash$                                         |                 | -            | -         | $\dashv$ | $\dashv$  |
| 29       | 31            | =             | -                                     | <del></del>                                       |              |                                                  | 81<br>82 |                                                   |                                                  |                                           |          | 132      | +           | +        | -                                                | -               | -            | $\dashv$  | $\dashv$ | $\dashv$  |
| 30       | 32<br>33      | =             | +++                                   |                                                   |              | -                                                | 83       |                                                   | }                                                |                                           | <u> </u> | 133      |             | +        | $\vdash$                                         | -               | $\vdash$     |           | $\dashv$ | $\dashv$  |
| 31       |               | =             |                                       |                                                   |              | -                                                |          | <del></del>                                       | $\vdash$                                         |                                           |          | 134      |             |          | ├-                                               | -               | $\vdash$     | -+        |          | $\dashv$  |
| 32       | 34            | =             | +                                     | +++                                               |              | -                                                | 84       |                                                   |                                                  |                                           | <u> </u> | 135      |             |          | ₩                                                |                 | <del> </del> |           | -        | $\dashv$  |
| 33       | 35            | =             | +++                                   | +++                                               |              | -                                                | 85       |                                                   |                                                  |                                           | <u> </u> | 133      | -           | $\dashv$ | <del> </del>                                     | $\vdash$        | ├            | $\dashv$  |          | $\dashv$  |
| L        | 36<br>37      | Ш             | +++                                   | +++                                               |              | <u> </u>                                         | 86       |                                                   | <del>                                     </del> |                                           | <u> </u> | 136      | $\vdash$    | +        | ├-                                               | <u> </u>        |              | Н         | _        | $\dashv$  |
|          | 37            | $\sqcup$      |                                       |                                                   |              | <u> </u>                                         | 87       |                                                   | $\vdash \vdash$                                  |                                           | <u> </u> | 137      |             |          | <del> </del>                                     | $\vdash$        | ⊢-           | $\sqcup$  |          |           |
| <u> </u> | 38            | $\sqcup$      | ++                                    | -                                                 |              |                                                  | 88       |                                                   | <b>├</b> -├-                                     |                                           |          | 138      | $\dashv$    | +        | <del> </del> —                                   | L-              | <u> </u>     | <b>  </b> |          | =         |
| <u> </u> | <b>3</b> 9    | $\sqcup$      | $\bot$                                |                                                   |              | L                                                | 89       |                                                   | oxdot                                            |                                           |          | 139      | <u> </u>    | -        | <b>—</b>                                         | Ш               | <u> </u>     | $\sqcup$  |          |           |
| 15       | 40            | =             |                                       |                                                   |              |                                                  | 90       |                                                   | _                                                | 1000                                      | <u> </u> | 140      | $\sqcup$    | $\bot$   | _                                                |                 | <u> </u>     | Щ         |          |           |
| <u></u>  | 41            | Ш             |                                       |                                                   |              |                                                  | 91       |                                                   | $\sqcup \!\!\! \perp$                            |                                           |          | 141      | $\sqcup$    | _        | <u> </u>                                         | _               |              | Ш         |          |           |
|          | 42            | Ш             |                                       |                                                   |              |                                                  | 92       |                                                   |                                                  |                                           |          | 142      | oxdot       |          | $\perp$                                          | $oxed{oxed}$    |              | Ш         |          |           |
|          | 43            | $\Box$        |                                       |                                                   |              |                                                  | 93       |                                                   |                                                  |                                           |          | 143      |             |          | _                                                |                 | L            | Ш         |          |           |
|          | 44            |               |                                       |                                                   | 100          |                                                  | 94       |                                                   |                                                  |                                           |          | 144      | $\Box$      |          |                                                  |                 | $\Box$       | Ш         |          | $\square$ |
|          | 45            | П             |                                       |                                                   |              |                                                  | 95       |                                                   |                                                  |                                           |          | 145      | $\Box \Box$ |          | L                                                | L               | L            |           |          |           |
|          | 46            | П             |                                       |                                                   | 1965<br>1966 |                                                  | 96       |                                                   |                                                  |                                           |          | 146      |             |          |                                                  |                 | L            |           |          |           |
|          | 47            |               |                                       |                                                   |              |                                                  | 97       |                                                   |                                                  | 1                                         |          | 147      |             | T        | $\Gamma$                                         |                 |              |           |          |           |
|          | 48            | $\Box$        | _                                     |                                                   |              |                                                  | 98       |                                                   |                                                  |                                           |          | 148      |             |          |                                                  | Γ               |              |           |          |           |
|          | 49            | $\sqcap$      | <del> - - </del>                      |                                                   |              |                                                  | 99       |                                                   |                                                  |                                           |          | 149      |             |          | Г                                                | Г               | Г            |           |          |           |
| <u> </u> | 50            | 1 1           | <del>- - - </del>                     |                                                   |              |                                                  | 100      | <del>                                     </del>  |                                                  |                                           |          | 150      | -           | $\neg$   | T                                                |                 |              | П         |          |           |
|          |               |               |                                       |                                                   |              | ـــــ                                            | 1.00     | <del> </del>                                      |                                                  | 1                                         | L        |          |             |          | -                                                |                 |              |           |          |           |